ATTACHMENT C

BLANEY-CRIDDLE MODEL OUTPUTS

Collier County N. & Pelican Bay - Current

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Naples
Irrigation System:	Sprinkler
Irrigated Acreage:	7797.00
Crop:	Turf Grass
Soil Type:	0.40
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.88	1.93	0.96	2.05	4.42	8.17	8.36	8.18	8.69	4.09	1.56	1.32	51.61
Evapotranspiration (inches)	1.93	2.21	3.76	5.09	6.66	7.44	7.88	7.51	6.47	5.00	3.22	2.26	59.43
Average Effective Rainfall (inches)	0.77	0.80	0.45	0.99	2.14	3.78	3.95	3.79	3.77	1.82	0.70	0.56	23.52
1-in-10 Effective Rainfall (inches)	0.62	0.67	-0.04	0.34	1.51	2.75	3.30	3.42	3.34	1.61	0.53	0.41	18.46
Average Irrigation (inches)	1.16	1.41	3.31	4.10	4.52	3.66	3.93	3.72	2.70	3.18	2.52	1.70	35.91
1-in-10 Irrigation (inches)	1.31	1.54	3.80	4.75	5.15	4.69	4.58	4.09	3.13	3.39	2.69	1.85	40.97

1-in-10 Annual Supplemental Crop Requirement = 40.97 inches

Annual Supplemental Crop Water Use:

40.97 inches X 7797 Acres X 1.33 X 0.02715 MG/AC-IN = 11534.93 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.15 inches

Maximum Monthly Supplemental Crop Water Use:

5.15 inches X 7797 Acres X 1.33 X 0.02715 MG/AC-IN = 1449.96 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Collier County South - Current

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Naples
Irrigation System:	Sprinkler
Irrigated Acreage:	9060.00
Crop:	Turf Grass
Soil Type:	0.40
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.88	1.93	0.96	2.05	4.42	8.17	8.36	8.18	8.69	4.09	1.56	1.32	51.61
Evapotranspiration (inches)	1.93	2.21	3.76	5.09	6.66	7.44	7.88	7.51	6.47	5.00	3.22	2.26	59.43
Average Effective Rainfall (inches)	0.77	0.80	0.45	0.99	2.14	3.78	3.95	3.79	3.77	1.82	0.70	0.56	23.52
1-in-10 Effective Rainfall (inches)	0.62	0.67	-0.04	0.34	1.51	2.75	3.30	3.42	3.34	1.61	0.53	0.41	18.46
Average Irrigation (inches)	1.16	1.41	3.31	4.10	4.52	3.66	3.93	3.72	2.70	3.18	2.52	1.70	35.91
1-in-10 Irrigation (inches)	1.31	1.54	3.80	4.75	5.15	4.69	4.58	4.09	3.13	3.39	2.69	1.85	40.97

1-in-10 Annual Supplemental Crop Requirement = 40.97 inches

Annual Supplemental Crop Water Use:

40.97 inches X 9060 Acres X 1.33 X 0.02715 MG/AC-IN = 13403.42 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.15 inches

Maximum Monthly Supplemental Crop Water Use:

5.15 inches X 9060 Acres X 1.33 X 0.02715 MG/AC-IN = 1684.83 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Golden Gate - Current

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Naples
Irrigation System:	Sprinkler
Irrigated Acreage:	1734.00
Crop:	Turf Grass
Soil Type:	0.40
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.88	1.93	0.96	2.05	4.42	8.17	8.36	8.18	8.69	4.09	1.56	1.32	51.61
Evapotranspiration (inches)	1.93	2.21	3.76	5.09	6.66	7.44	7.88	7.51	6.47	5.00	3.22	2.26	59.43
Average Effective Rainfall (inches)	0.77	0.80	0.45	0.99	2.14	3.78	3.95	3.79	3.77	1.82	0.70	0.56	23.52
1-in-10 Effective Rainfall (inches)	0.62	0.67	-0.04	0.34	1.51	2.75	3.30	3.42	3.34	1.61	0.53	0.41	18.46
Average Irrigation (inches)	1.16	1.41	3.31	4.10	4.52	3.66	3.93	3.72	2.70	3.18	2.52	1.70	35.91
1-in-10 Irrigation (inches)	1.31	1.54	3.80	4.75	5.15	4.69	4.58	4.09	3.13	3.39	2.69	1.85	40.97

1-in-10 Annual Supplemental Crop Requirement = 40.97 inches

Annual Supplemental Crop Water Use:

40.97 inches X 1734 Acres X 1.33 X 0.02715 MG/AC-IN = 2565.29 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.15 inches

Maximum Monthly Supplemental Crop Water Use:

5.15 inches X 1734 Acres X 1.33 X 0.02715 MG/AC-IN = 322.46 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Marco Island Utilities - Current

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Naples
Irrigation System:	Sprinkler
Irrigated Acreage:	1055.00
Crop:	Turf Grass
Soil Type:	0.40
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.88	1.93	0.96	2.05	4.42	8.17	8.36	8.18	8.69	4.09	1.56	1.32	51.61
Evapotranspiration (inches)	1.93	2.21	3.76	5.09	6.66	7.44	7.88	7.51	6.47	5.00	3.22	2.26	59.43
Average Effective Rainfall (inches)	0.77	0.80	0.45	0.99	2.14	3.78	3.95	3.79	3.77	1.82	0.70	0.56	23.52
1-in-10 Effective Rainfall (inches)	0.62	0.67	-0.04	0.34	1.51	2.75	3.30	3.42	3.34	1.61	0.53	0.41	18.46
Average Irrigation (inches)	1.16	1.41	3.31	4.10	4.52	3.66	3.93	3.72	2.70	3.18	2.52	1.70	35.91
1-in-10 Irrigation (inches)	1.31	1.54	3.80	4.75	5.15	4.69	4.58	4.09	3.13	3.39	2.69	1.85	40.97

1-in-10 Annual Supplemental Crop Requirement = 40.97 inches

Annual Supplemental Crop Water Use:

40.97 inches X 1055 Acres X 1.33 X 0.02715 MG/AC-IN = 1560.77 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.15 inches

Maximum Monthly Supplemental Crop Water Use:

5.15 inches X 1055 Acres X 1.33 X 0.02715 MG/AC-IN = 196.19 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Naples - Current

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Naples
Irrigation System:	Sprinkler
Irrigated Acreage:	3368.00
Crop:	Turf Grass
Soil Type:	0.40
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.88	1.93	0.96	2.05	4.42	8.17	8.36	8.18	8.69	4.09	1.56	1.32	51.61
Evapotranspiration (inches)	1.93	2.21	3.76	5.09	6.66	7.44	7.88	7.51	6.47	5.00	3.22	2.26	59.43
Average Effective Rainfall (inches)	0.77	0.80	0.45	0.99	2.14	3.78	3.95	3.79	3.77	1.82	0.70	0.56	23.52
1-in-10 Effective Rainfall (inches)	0.62	0.67	-0.04	0.34	1.51	2.75	3.30	3.42	3.34	1.61	0.53	0.41	18.46
Average Irrigation (inches)	1.16	1.41	3.31	4.10	4.52	3.66	3.93	3.72	2.70	3.18	2.52	1.70	35.91
1-in-10 Irrigation (inches)	1.31	1.54	3.80	4.75	5.15	4.69	4.58	4.09	3.13	3.39	2.69	1.85	40.97

1-in-10 Annual Supplemental Crop Requirement = 40.97 inches

Annual Supplemental Crop Water Use:

40.97 inches X 3368 Acres X 1.33 X 0.02715 MG/AC-IN = 4982.64 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.15 inches

Maximum Monthly Supplemental Crop Water Use:

5.15 inches X 3368 Acres X 1.33 X 0.02715 MG/AC-IN = 626.33 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Collier County N. & Pelican Bay - Future

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Naples
Irrigation System:	Sprinkler
Irrigated Acreage:	15690.00
Crop:	Turf Grass
Soil Type:	0.40
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.88	1.93	0.96	2.05	4.42	8.17	8.36	8.18	8.69	4.09	1.56	1.32	51.61
Evapotranspiration (inches)	1.93	2.21	3.76	5.09	6.66	7.44	7.88	7.51	6.47	5.00	3.22	2.26	59.43
Average Effective Rainfall (inches)	0.77	0.80	0.45	0.99	2.14	3.78	3.95	3.79	3.77	1.82	0.70	0.56	23.52
1-in-10 Effective Rainfall (inches)	0.62	0.67	-0.04	0.34	1.51	2.75	3.30	3.42	3.34	1.61	0.53	0.41	18.46
Average Irrigation (inches)	1.16	1.41	3.31	4.10	4.52	3.66	3.93	3.72	2.70	3.18	2.52	1.70	35.91
1-in-10 Irrigation (inches)	1.31	1.54	3.80	4.75	5.15	4.69	4.58	4.09	3.13	3.39	2.69	1.85	40.97

1-in-10 Annual Supplemental Crop Requirement = 40.97 inches

Annual Supplemental Crop Water Use:

40.97 inches X15690 Acres X 1.33 X 0.02715 MG/AC-IN = 23211.88 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.15 inches

Maximum Monthly Supplemental Crop Water Use:

5.15 inches X 15690 Acres X 1.33 X 0.02715 MG/AC-IN = 2917.77 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Collier County South - Future

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Naples
Irrigation System:	Sprinkler
Irrigated Acreage:	15126.00
Crop:	Turf Grass
Soil Type:	0.40
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.88	1.93	0.96	2.05	4.42	8.17	8.36	8.18	8.69	4.09	1.56	1.32	51.61
Evapotranspiration (inches)	1.93	2.21	3.76	5.09	6.66	7.44	7.88	7.51	6.47	5.00	3.22	2.26	59.43
Average Effective Rainfall (inches)	0.77	0.80	0.45	0.99	2.14	3.78	3.95	3.79	3.77	1.82	0.70	0.56	23.52
1-in-10 Effective Rainfall (inches)	0.62	0.67	-0.04	0.34	1.51	2.75	3.30	3.42	3.34	1.61	0.53	0.41	18.46
Average Irrigation (inches)	1.16	1.41	3.31	4.10	4.52	3.66	3.93	3.72	2.70	3.18	2.52	1.70	35.91
1-in-10 Irrigation (inches)	1.31	1.54	3.80	4.75	5.15	4.69	4.58	4.09	3.13	3.39	2.69	1.85	40.97

1-in-10 Annual Supplemental Crop Requirement = 40.97 inches

Annual Supplemental Crop Water Use:

40.97 inches X15126 Acres X 1.33 X 0.02715 MG/AC-IN = 22377.50 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.15 inches

Maximum Monthly Supplemental Crop Water Use:

5.15 inches X 15126 Acres X 1.33 X 0.02715 MG/AC-IN = 2812.89 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Golden Gate - Future

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Naples
Irrigation System:	Sprinkler
Irrigated Acreage:	1734.00
Crop:	Turf Grass
Soil Type:	0.40
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.88	1.93	0.96	2.05	4.42	8.17	8.36	8.18	8.69	4.09	1.56	1.32	51.61
Evapotranspiration (inches)	1.93	2.21	3.76	5.09	6.66	7.44	7.88	7.51	6.47	5.00	3.22	2.26	59.43
Average Effective Rainfall (inches)	0.77	0.80	0.45	0.99	2.14	3.78	3.95	3.79	3.77	1.82	0.70	0.56	23.52
1-in-10 Effective Rainfall (inches)	0.62	0.67	-0.04	0.34	1.51	2.75	3.30	3.42	3.34	1.61	0.53	0.41	18.46
Average Irrigation (inches)	1.16	1.41	3.31	4.10	4.52	3.66	3.93	3.72	2.70	3.18	2.52	1.70	35.91
1-in-10 Irrigation (inches)	1.31	1.54	3.80	4.75	5.15	4.69	4.58	4.09	3.13	3.39	2.69	1.85	40.97

1-in-10 Annual Supplemental Crop Requirement = 40.97 inches

Annual Supplemental Crop Water Use:

40.97 inches X 1734 Acres X 1.33 X 0.02715 MG/AC-IN = 2565.29 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.15 inches

Maximum Monthly Supplemental Crop Water Use:

5.15 inches X 1734 Acres X 1.33 X 0.02715 MG/AC-IN = 322.46 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Marco Island Utilities - Future

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Naples
Irrigation System:	Sprinkler
Irrigated Acreage:	1772.00
Crop:	Turf Grass
Soil Type:	0.40
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.88	1.93	0.96	2.05	4.42	8.17	8.36	8.18	8.69	4.09	1.56	1.32	51.61
Evapotranspiration (inches)	1.93	2.21	3.76	5.09	6.66	7.44	7.88	7.51	6.47	5.00	3.22	2.26	59.43
Average Effective Rainfall (inches)	0.77	0.80	0.45	0.99	2.14	3.78	3.95	3.79	3.77	1.82	0.70	0.56	23.52
1-in-10 Effective Rainfall (inches)	0.62	0.67	-0.04	0.34	1.51	2.75	3.30	3.42	3.34	1.61	0.53	0.41	18.46
Average Irrigation (inches)	1.16	1.41	3.31	4.10	4.52	3.66	3.93	3.72	2.70	3.18	2.52	1.70	35.91
1-in-10 Irrigation (inches)	1.31	1.54	3.80	4.75	5.15	4.69	4.58	4.09	3.13	3.39	2.69	1.85	40.97

1-in-10 Annual Supplemental Crop Requirement = 40.97 inches

Annual Supplemental Crop Water Use:

40.97 inches X 1772 Acres X 1.33 X 0.02715 MG/AC-IN = 2621.51 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.15 inches

Maximum Monthly Supplemental Crop Water Use:

5.15 inches X 1772 Acres X 1.33 X 0.02715 MG/AC-IN = 329.53 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Naples - Future

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Naples
Irrigation System:	Sprinkler
Irrigated Acreage:	3744.00
Crop:	Turf Grass
Soil Type:	0.40
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.88	1.93	0.96	2.05	4.42	8.17	8.36	8.18	8.69	4.09	1.56	1.32	51.61
Evapotranspiration (inches)	1.93	2.21	3.76	5.09	6.66	7.44	7.88	7.51	6.47	5.00	3.22	2.26	59.43
Average Effective Rainfall (inches)	0.77	0.80	0.45	0.99	2.14	3.78	3.95	3.79	3.77	1.82	0.70	0.56	23.52
1-in-10 Effective Rainfall (inches)	0.62	0.67	-0.04	0.34	1.51	2.75	3.30	3.42	3.34	1.61	0.53	0.41	18.46
Average Irrigation (inches)	1.16	1.41	3.31	4.10	4.52	3.66	3.93	3.72	2.70	3.18	2.52	1.70	35.91
1-in-10 Irrigation (inches)	1.31	1.54	3.80	4.75	5.15	4.69	4.58	4.09	3.13	3.39	2.69	1.85	40.97

1-in-10 Annual Supplemental Crop Requirement = 40.97 inches

Annual Supplemental Crop Water Use:

40.97 inches X 3744 Acres X 1.33 X 0.02715 MG/AC-IN = 5538.90 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.15 inches

Maximum Monthly Supplemental Crop Water Use:

5.15 inches X 3744 Acres X 1.33 X 0.02715 MG/AC-IN = 696.25 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Bonita Springs - Current

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	3565.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 3565 Acres X 1.33 X 0.02715 MG/AC-IN = 4844.12 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 3565 Acres X 1.33 X 0.02715 MG/AC-IN = 659.10 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Cape Coral Utilities - Current

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	6729.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 6729 Acres X 1.33 X 0.02715 MG/AC-IN = 9143.37 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 6729 Acres X 1.33 X 0.02715 MG/AC-IN = 1244.06 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Fiesta Village - Current

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	1937.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 1937 Acres X 1.33 X 0.02715 MG/AC-IN = 2632.00 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 1937 Acres X 1.33 X 0.02715 MG/AC-IN = 358.11 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Forest Utility - Current

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	239.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 239 Acres X 1.33 X 0.02715 MG/AC-IN = 324.75 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 239 Acres X 1.33 X 0.02715 MG/AC-IN = 44.19 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Ft. Myers Beach - Current

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	3748.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 3748 Acres X 1.33 X 0.02715 MG/AC-IN = 5092.78 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 3748 Acres X 1.33 X 0.02715 MG/AC-IN = 692.93 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Ft. Myers Central - Current

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	2357.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 2357 Acres X 1.33 X 0.02715 MG/AC-IN = 3202.69 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 2357 Acres X 1.33 X 0.02715 MG/AC-IN = 435.76 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Ft. Myers South - Current

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	4120.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 4120 Acres X 1.33 X 0.02715 MG/AC-IN = 5598.26 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 4120 Acres X 1.33 X 0.02715 MG/AC-IN = 761.71 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Gateway - Current

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	418.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 418 Acres X 1.33 X 0.02715 MG/AC-IN = 567.98 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 418 Acres X 1.33 X 0.02715 MG/AC-IN = 77.28 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Gulf Environmental Services - Current

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	1636.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 1636 Acres X 1.33 X 0.02715 MG/AC-IN = 2223.00 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 1636 Acres X 1.33 X 0.02715 MG/AC-IN = 302.46 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Lehigh Acres - Current

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	3429.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 3429 Acres X 1.33 X 0.02715 MG/AC-IN = 4659.33 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 3429 Acres X 1.33 X 0.02715 MG/AC-IN = 633.96 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

North Ft. Myers - Current

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	4354.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 4354 Acres X 1.33 X 0.02715 MG/AC-IN = 5916.22 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 4354 Acres X 1.33 X 0.02715 MG/AC-IN = 804.97 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Pine Island - Current

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	674.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 674 Acres X 1.33 X 0.02715 MG/AC-IN = 915.83 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 674 Acres X 1.33 X 0.02715 MG/AC-IN = 124.61 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Sanibel - Current

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	758.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 758 Acres X 1.33 X 0.02715 MG/AC-IN = 1029.97 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 758 Acres X 1.33 X 0.02715 MG/AC-IN = 140.14 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Waterway Estates - Current

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	686.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 686 Acres X 1.33 X 0.02715 MG/AC-IN = 932.14 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 686 Acres X 1.33 X 0.02715 MG/AC-IN = 126.83 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Bonita Springs - Future

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	5808.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 5808 Acres X 1.33 X 0.02715 MG/AC-IN = 7891.91 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 5808 Acres X 1.33 X 0.02715 MG/AC-IN = 1073.79 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Cape Coral Utilities - Future

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	15146.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X15146 Acres X 1.33 X 0.02715 MG/AC-IN = 20580.39 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 15146 Acres X 1.33 X 0.02715 MG/AC-IN = 2800.20 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Fiesta Village - Future

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	3219.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 3219 Acres X 1.33 X 0.02715 MG/AC-IN = 4373.98 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 3219 Acres X 1.33 X 0.02715 MG/AC-IN = 595.13 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Forest Utility - Future

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	239.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 239 Acres X 1.33 X 0.02715 MG/AC-IN = 324.75 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 239 Acres X 1.33 X 0.02715 MG/AC-IN = 44.19 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Ft. Myers Beach - Future

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	5072.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 5072 Acres X 1.33 X 0.02715 MG/AC-IN = 6891.84 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 5072 Acres X 1.33 X 0.02715 MG/AC-IN = 937.71 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Ft. Myers Central - Future

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	3135.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 3135 Acres X 1.33 X 0.02715 MG/AC-IN = 4259.84 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 3135 Acres X 1.33 X 0.02715 MG/AC-IN = 579.60 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Ft. Myers South - Future

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	4992.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 4992 Acres X 1.33 X 0.02715 MG/AC-IN = 6783.13 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 4992 Acres X 1.33 X 0.02715 MG/AC-IN = 922.92 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Gateway - Future

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	1208.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 1208 Acres X 1.33 X 0.02715 MG/AC-IN = 1641.43 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 1208 Acres X 1.33 X 0.02715 MG/AC-IN = 223.34 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Gulf Environmental Services - Future

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	3111.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 3111 Acres X 1.33 X 0.02715 MG/AC-IN = 4227.23 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 3111 Acres X 1.33 X 0.02715 MG/AC-IN = 575.16 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Lehigh Acres - Future

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	8630.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 8630 Acres X 1.33 X 0.02715 MG/AC-IN = 11726.45 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 8630 Acres X 1.33 X 0.02715 MG/AC-IN = 1595.52 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

North Ft. Myers - Future

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	4763.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 4763 Acres X 1.33 X 0.02715 MG/AC-IN = 6471.97 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 4763 Acres X 1.33 X 0.02715 MG/AC-IN = 880.59 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Pine Island - Future

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	1467.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 1467 Acres X 1.33 X 0.02715 MG/AC-IN = 1993.36 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 1467 Acres X 1.33 X 0.02715 MG/AC-IN = 271.22 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Sanibel - Future

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	938.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 938 Acres X 1.33 X 0.02715 MG/AC-IN = 1274.55 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 938 Acres X 1.33 X 0.02715 MG/AC-IN = 173.42 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.

Waterway Estates - Future

Calculations Of Irrigation Requirements (1-in-10)

Rainfall Station:	Ft. Myers
Irrigation System:	Sprinkler
Irrigated Acreage:	748.00
Crop:	Turf Grass
Soil Type:	0.80
Multiplier	1.33
Efficiency	0.75

Calculations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Average Rainfall (inches)	1.90	2.00	1.50	1.90	4.10	9.40	8.70	8.60	8.40	3.50	1.50	1.50	53.00
Evapotranspiration (inches)	1.86	2.14	3.70	5.11	6.83	7.60	8.05	7.72	6.48	4.92	3.07	2.15	59.63
Average Effective Rainfall (inches)	0.88	0.94	0.79	1.06	2.31	4.91	4.71	4.58	4.19	1.81	0.76	0.72	27.66
1-in-10 Effective Rainfall (inches)	0.62	0.81	0.13	0.40	1.71	3.91	3.82	4.03	4.02	1.30	0.62	0.63	22.00
Average Irrigation (inches)	0.98	1.20	2.91	4.05	4.52	2.69	3.34	3.14	2.29	3.11	2.31	1.43	31.97
1-in-10 Irrigation (inches)	1.24	1.33	3.57	4.71	5.12	3.69	4.23	3.69	2.46	3.62	2.45	1.52	37.63

1-in-10 Annual Supplemental Crop Requirement = 37.63 inches

Annual Supplemental Crop Water Use:

37.63 inches X 748 Acres X 1.33 X 0.02715 MG/AC-IN = 1016.38 MG

1-in-10 Maximum Monthly Supplemental Crop Requirement = 5.12 inches

Maximum Monthly Supplemental Crop Water Use:

5.12 inches X 748 Acres X 1.33 X 0.02715 MG/AC-IN = 138.29 MG

Notes:
Evapotranspiration was calculated using a modified Blaney-Criddle method.
Average effective rainfall is the amount that is useful to crops in an average year.
2-in-10 drought rainfall is the rainfall minimum expected with a probability of 2 year in 10.
2-in-10 effective rainfall is the amount that is useful to crops in a 2-in-10 drought rainfall.
Average irrigation is the net amount that should be required for maximum yields during an average year.
2-in-10 irrigation is the net amount that should be required for maximum yields during a 2-in-10 drought year.